

METHOD OF OBTAINING ANNOTATED ELECTRONIC TRACKS ON ROAD

Abstract : Disclosed is a method for establishing and utilizing annotated electronic tracks on road for ground vehicles so as to ease the driving task with added safety, efficiency, and economy. Electronic tracks define traces on roads guiding the movement of a ground vehicle in as much as the same way that railroad tracks confine the movement of a train. Road track marks are detected using electronic transducers which generate control signals on the wheels to maintain the trajectory of a ground vehicle confined to a predetermined trace on road. A ground-vehicle train can thus be set up on road, requiring one driver to navigate or manipulate the movement of the whole train consisting of many ground vehicles. Annotations are also provided by electronic tracks on road. When combined with other technologies, such as electronic maps, internet connections, and collision avoidance radars, the driving of a ground vehicle on road suppling annotated electronic tracks can be fully computerized thereby achieving automation.

1006075.020102